

ABSTRACT

Please delete the current Abstract and amend it to read:

The present invention relates to the isolation, identification and characterization of nucleotide sequences encoding enzymes catalyzing the transfer of fatty acids from phospholipids to diacylglycerol (phospholipid:diacylglycerol acyltransferases particularly from *Saccharomyces cerevisiae*), to phospholipid:diacylglycerol acyltransferases and to processes for the production of triacylglycerol using yeast and plants expressing nucleotides that encode phospholipids:diacylglycerol acyltransferases.

SEQUENCE

A substitute copy of the sequence listing in both computer readable form and paper copy are attached herein.

The content of the paper copy of the Sequence Listing and the copy of the Sequence Listing in computer readable form is the same and no new matter was added. It is believed that by submitting the present amendment and sequence listing compact disk, the application now fully complies with the requirements of 37 CFR 1.821-1.825.

On page 3, paragraph beginning on line 22 please make the following changes to said paragraph.

This enzyme reaction was shown to be present in microsomal preparations from baker's yeast (*Saccharomyces cerevisiae*). The instant invention further pertains to an enzyme comprising an amino acid sequence as set forth in SEQ ID NO. 2 or a functional fragment, derivate, allele, homolog or isoenzyme thereof. A so called ~~knock-out~~ "knock out" yeast mutant, disrupted in the respective gene was obtained and microsomal membranes from the mutant was shown to totally lack FDAT activity. Thus, it was proved that the disrupted gene encodes a FDAT enzyme (SEQ ID NO. 1 and 2), Furthermore, this PDAT enzyme is characterized through the amino acid sequence as set forth in SEQ ID NO 2 containing a lipase motif of the conserved sequence string FXKWVEA which is also shown in SEQ ID NO 32.